

REQUEST FOR ACCESS OF ABANDONED APPLICATION UNDER 37 CFR 1.14(a)

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I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

- (A) referred to in United States Patent Number 6248516, column \_\_\_\_\_
- (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11, i.e., Application No. \_\_\_\_\_ filed \_\_\_\_\_ on page \_\_\_\_\_ of paper number \_\_\_\_\_
- (C) an application that claims the benefit of the filing date of an application that is open to public inspection, i.e., Application No. \_\_\_\_\_ filed \_\_\_\_\_ or
- (D) an application in which the applicant has filed an authorization to lay open the complete application to the public.

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(12) **United States Patent**  
**Winter et al.**

(10) **Patent No.:** **US 6,248,516 B1**  
(45) **Date of Patent:** **Jun. 19, 2001**

(54) **SINGLE DOMAIN LIGANDS, RECEPTORS COMPRISING SAID LIGANDS METHODS FOR THEIR PRODUCTION, AND USE OF SAID LIGANDS AND RECEPTORS**

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(73) **Assignee:** Medical Research Council, London (GB)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 08/470,031

(22) **Filed:** Jun. 6, 1995

**Related U.S. Application Data**

(62) Division of application No. 08/332,046, filed on Nov. 1, 1994, which is a continuation of application No. 07/796,805, filed on Nov. 25, 1991, which is a division of application No. 07/580,374, filed on Sep. 11, 1990, now abandoned.

(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.** ..... 435/6; 435/69.6; 435/252.33;  
435/441; 435/446

(58) **Field of Search** ..... 435/240.2, 252.3,  
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23.4, 23.5, 23.6

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(57) **ABSTRACT**

The present invention relates to single domain ligands derived from molecules in the immunoglobulin (Ig) superfamily, receptors comprising at least one such ligand, methods for cloning, amplifying and expressing DNA sequences encoding such ligands, preferably using the polymerase chain reaction, methods for the use of said DNA sequences in the production of Ig-type molecules and said ligands or receptors, and the use of said ligands or receptors in therapy, diagnosis and catalysis.

**21 Claims, 23 Drawing Sheets**